

Applicants: Watson et al.
Serial No.: 10/826,785
Filing Date: April 16, 2004
Docket No.: ZIL-308-1C

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application. Claims 18-24 have been added.

Listing of Claims

1. (currently amended) ~~A system for internally optimizing wireless communications between a pair of devices, each said device comprising an application set group comprising at least one application set and a stack group comprising at least one stack, said application set group and said stack group in communication with a wireless transceiver, comprising:~~
 - ~~— a first said device comprising:~~
 - ~~— a detector in communication with said application set group for detecting the configuration of said application set in a second said device; and~~
 - ~~— a stack selector for enabling the optimum said stack responsive to said detecting device comprising:~~
 - an application set group that includes at least one application set;
 - a protocol stack group that includes at least a first protocol stack;
 - a wireless transceiver, wherein the application set group and the protocol stack group are in communication with the wireless transceiver, wherein the wireless transceiver receives a communication from a peripheral device, wherein the communication contains instructions from an application set in the peripheral device, and wherein the application set in the peripheral device has a configuration;
 - a detector that is in communication with the application set group, wherein the detector detects the configuration of the application set in the peripheral device; and
 - a stack selector that enables the first protocol stack in response to the detector detecting the configuration of the application set in the peripheral device.

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2. (currently amended) The ~~system~~device of claim 1, wherein the application set group includes an optimum application set, and wherein saidthe detector means-further enables the optimum said-application set responsive to said-detectingin response to detecting the configuration of the application set in the peripheral device.

3. (currently amended) The ~~system~~device of claim 2, wherein in an initial communications condition-is defined, said-initial communications condition comprising-saidthe detector means-enablingenables a default said-application set of the application set group, and wherein in the initial communications condition, theand-said stack selector enablingenables a default saidprotocol stack of the protocol stack group.

4. (currently amended) The system of claim 3, wherein saidthe initial communications condition is reestablished upon cessation of said-wireless communications between the wireless transceiver and the peripheral device.

5. (currently amended) A method of ~~internally optimizing communications between a pair of devices, each said-device comprising an application set group comprising at least one application set and a stack group comprising at least one stack, said-application set group and said-stack group in communication with a wireless transceiver, comprising the steps of:~~
—~~default enabling, wherein a stack selector means in communication with said stack group for selecting the optimum said stack enables a default said stack;~~
and
—~~upgrade enabling, wherein said stack selector means enables an upgraded said-stack~~comprising:

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enabling a default protocol stack in a device, wherein the device comprises a wireless transceiver, an application set group with at least one application set, and a protocol stack group with at least a first protocol stack;

receiving a communication from a peripheral device, wherein the communication contains instructions from an application set in the peripheral device, and wherein the application set in the peripheral device has a configuration;

detecting the configuration of the application set in the peripheral device;
and

enabling an upgraded protocol stack in the device in response to the detecting the configuration of the application set in the peripheral device.

6. (currently amended) The method of claim 5, further comprising the step of:

querying the peripheral device for the configuration of the application set in the peripheral device, wherein a detector means for detecting the configuration of said application set group in another said device queries said other device for the configuration of its said application set group.

7. (currently amended) The method of claim 65, wherein said upgrade enabling further comprises said detector means enabling the optimum said application set the application set group includes an optimum application set, further comprising:

enabling the optimum application set in response to the detecting the configuration of the application set in the peripheral device.

8. (currently amended) The method of claim 75, wherein the application set group includes a default application set and wherein the protocol stack group includes a default protocol stack, further comprising, after the enabling the upgraded protocol stack: a re-enabling step after said upgrade step, said re-

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~~enabling step comprising said detector means enabling a default said application set~~

enabling the default application set; and
enabling the default protocol stack.

9. (currently amended) The method of claim 8, wherein ~~said re-enabling step further comprises said stack selector means enabling said default stack~~the application set in the peripheral device comprises instructions to execute a print function.

Claims 10-17 (canceled)

18. (new) A device comprising:
an application group that includes a first application version and a second application version;
a protocol stack group that includes a first protocol stack and a second protocol stack;
a wireless transceiver, wherein the wireless transceiver receives a communication from a second device, wherein the second device contains an application having a configuration;
a detector that detects the configuration of the application in the second device; and
a selector that enables the first protocol stack in response to the detector detecting the configuration of the application in the second device.

19. (new) The device of claim 18, wherein the second application version is a software program for executing a function on the second device.

20. (new) The device of claim 19, wherein the function is printing.

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21. (new) The device of claim 18, wherein the selector enables the first application version in response to the detector detecting the configuration of the application in the second device.

22. (new) The device of claim 18, wherein the first application version communicates with the wireless transceiver through the first protocol stack.

23. (new) The device of claim 18, wherein the first protocol stack is an infrared communications protocol stack.

24. (new) The device of claim 18, wherein the wireless transceiver receives the communication from the second device via radio frequency communications.

25. (new) The device of claim 18, wherein the detector queries the second device for the configuration of the application in the second device.

26. (new) A device comprising:
a protocol stack group that includes a plurality of protocol stacks, wherein one of the plurality of protocol stacks is an optimum protocol stack;
a wireless transceiver, wherein the wireless transceiver receives a communication from a second device, wherein the second device contains an application having a configuration; and
means for enabling the optimum protocol stack based on the configuration of the application in the second device.

27. (new) The device of claim 26, wherein the application in the second device comprises instructions to execute a print function.

28. (new) The device of claim 26, wherein the means detects the configuration of the application in the second device.

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29. (new) The device of claim 26, wherein the device begins communicating with the second device using a default protocol stack.